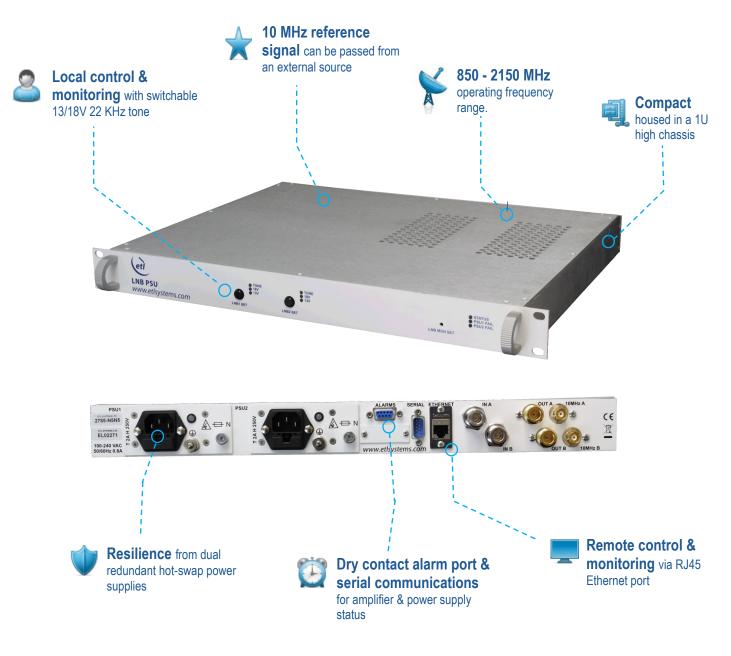


### Model Number: 2785-xxxx

# **2 Port LNB Power Supply** with switchable 13/18V & 22 KHz tone, external 10 MHz injection, current monitoring, local & remote control

#### Typical applications:

- Satellite teleports between satellite modems & LNB
- Feed DC power & an external 10MHz reference signal to 2 LNBs





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## Model Number: 2785-xxxx

2 Port LNB Power Supply

#### Technical specifications and operating parameters

RF Parameters						
Capacity		2 channel				
Frequency Range		850-2150 MHz (L-band)				
RF Connectors		50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
Insertion Loss		<1 dB	<1 dB	<1 dB	<1.2dB	<1.2 dB
Flatness		±0.3 dB	±0.3 dB	±0.3 dB	±0.6 dB	±0.6 dB
Input Return Loss	Typical	15 dB	14 dB	16 dB	12 dB	12 dB
	Minimum	12 dB	12 dB	12 dB	8 dB	8 dB
Output Return Loss	Typical	15 dB	14 dB	16 dB	12 dB	12 dB
	Minimum	12 dB	12 dB	12 dB	8 dB	8 dB
10MHz Pass		10MHz injection Port to Input port		0.25dB typical insertion loss		
Isolation		70dB		Minimum between each channel		
Input RF Power		16dBm		Absolute maximum		

Power			
PSU Power	100-240Vac 50/60Hz Fused 2A		
AC Consumption	31W Full Load	Max. consumption	
AC Consumption	12W No Load	at steady state	
LNB Power	13/18Vdc up to 0.5A Max & 22kHz tone via Input ports		
PSU	Dual redundant and Alarmed	Diode OR.	
Hot-Swap PSU	Yes		

System Control		
Remote Control & monitoring	Via Serial (RS232 or RS422/485) and Ethernet (RJ45) on Rear Panel	Enables voltage selection and current monitoring of each LNB, and Alarms status
Local Control & Monitoring	Via front panel push buttons. LED status	
Alarms	Dry contact (D-type) & Ethernet (RJ45)	

Preliminary	Specification
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Environmental				
Operating temperature	0 to 45°C			
Location	Indoor use only			
Storage temperature	-20°C to +75°C			Dimensio
Humidity	20 to 90% non-condensing		Weight	
Altitude	10,000 feet AMSL	Above Mean Sea Level		Colour

Physical		
Dimensions	1U high x 350mm deep x 19" wide	
Weight	4 kg	
Colour	White 00-E-55 semi-gloss	

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy. Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

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